

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012481.D
 Acq On : 02 Sep 2019 06:42
 Operator : SY/VA
 Sample : K4528-08
 Misc : 2.30G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-R-(0)

Quant Time: Sep 02 07:27:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106203	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132850	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
35) Dibromofluoromethane	7.88	113	105925	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
50) Toluene-d8	10.32	98	415417	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.62	95	127586	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	

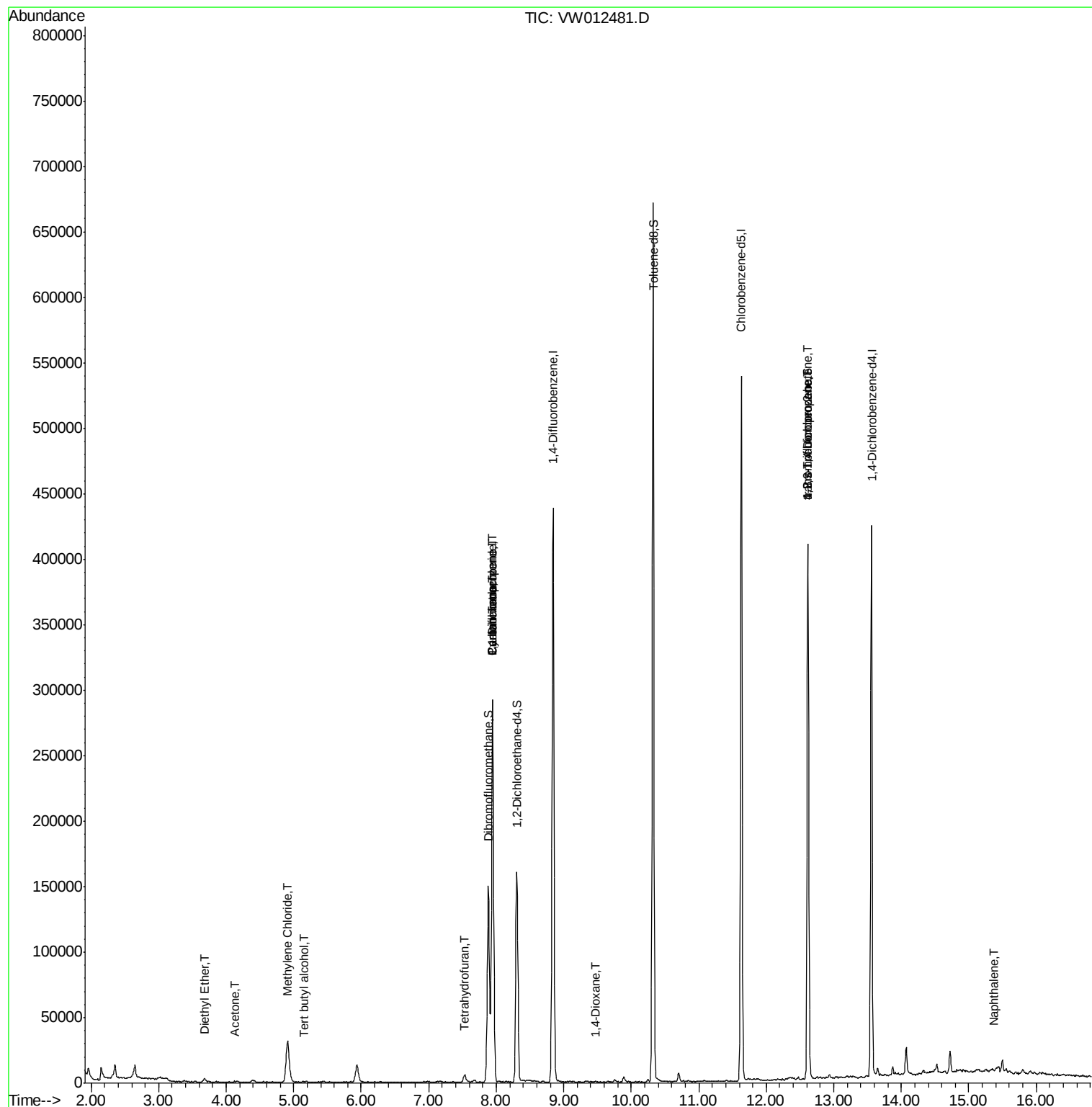
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1314	1.122	ug/l	89
11) Tert butyl alcohol	5.15	59	489	3.249	ug/l #	90
16) Acetone	4.12	43	1160	1.814	ug/l	95
20) Methylene Chloride	4.91	84	22885	9.468	ug/l	95
29) Tetrahydrofuran	7.53	42	5127	9.835	ug/l	97
31) Cyclohexane	7.95	56	5465	1.213	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17603	4.975	ug/l #	53
38) Carbon Tetrachloride	7.95	117	20764	6.780	ug/l #	16
49) 1,4-Dioxane	9.46	88	23	1.299	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	69798	67.481	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69798	147.954	ug/l #	6
95) Naphthalene	15.37	128	183	4.363	ug/l #	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012481.D

Acq: 02 Sep 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

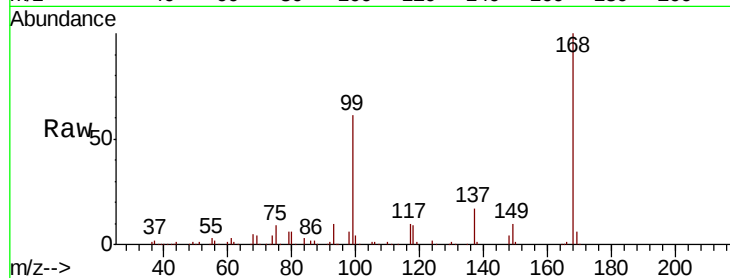
T9-12-13-R-(0)

Tgt Ion: 168 Resp: 210416

Ion Ratio Lower Upper

168 100

99 61.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

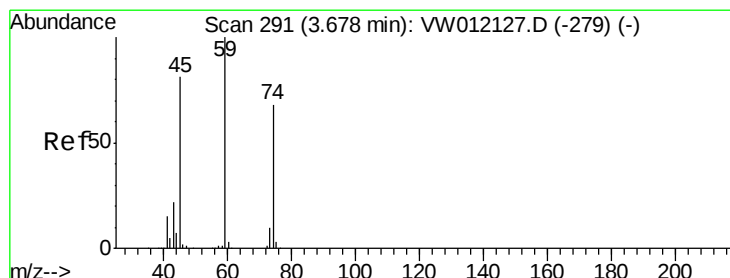
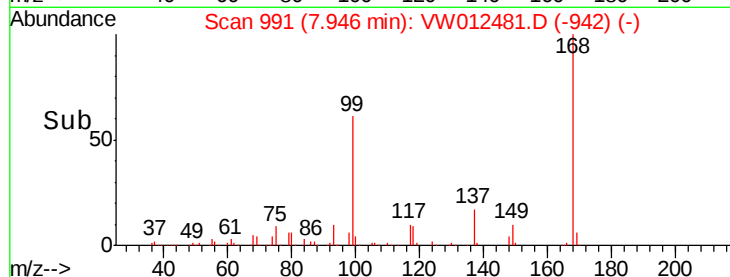
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.122 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012481.D

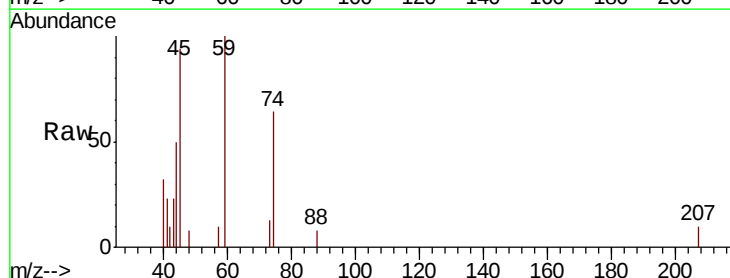
Acq: 02 Sep 2019 06:42

Tgt Ion: 74 Resp: 1314

Ion Ratio Lower Upper

74 100

45 130.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

600

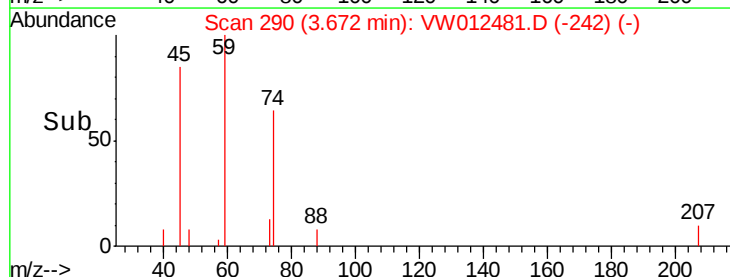
400

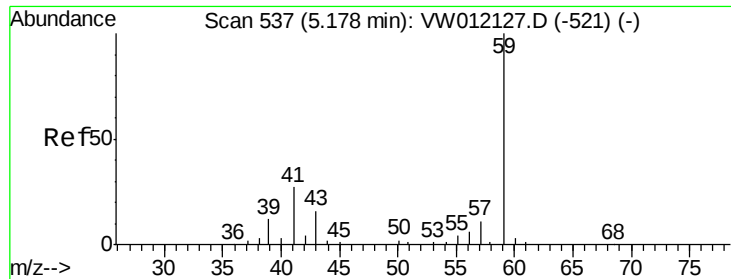
200

0

Time-->

3.60 3.65 3.70 3.75

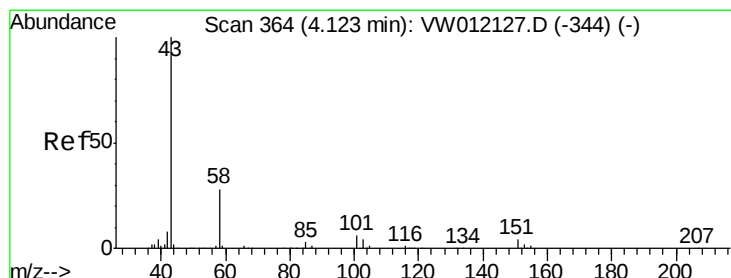
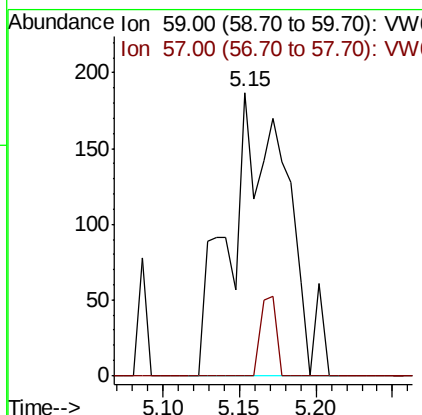
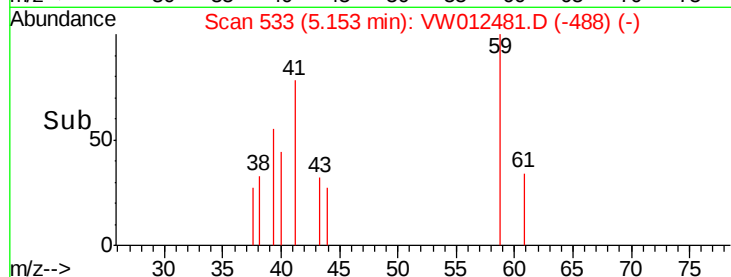
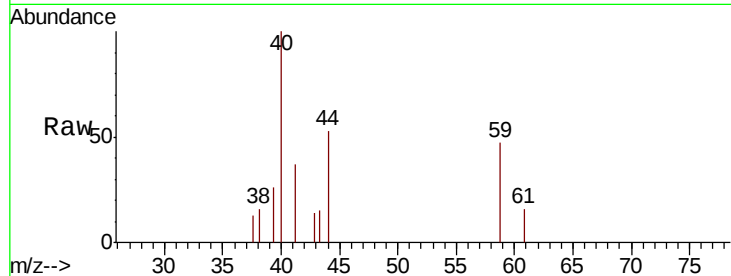




#11
Tert butyl alcohol
Concen: 3.249 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012481.D
Acq: 02 Sep 2019 06:42

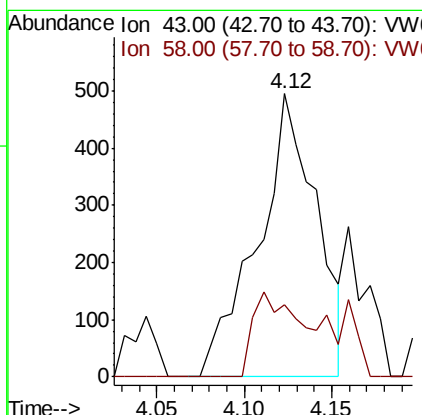
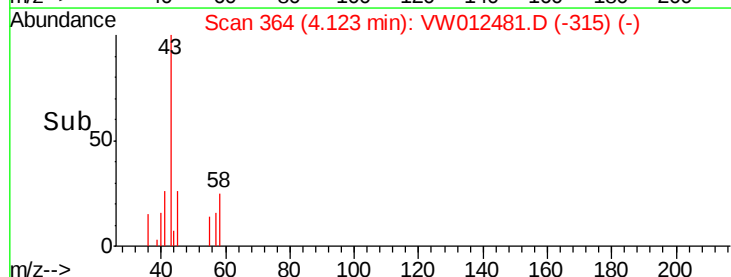
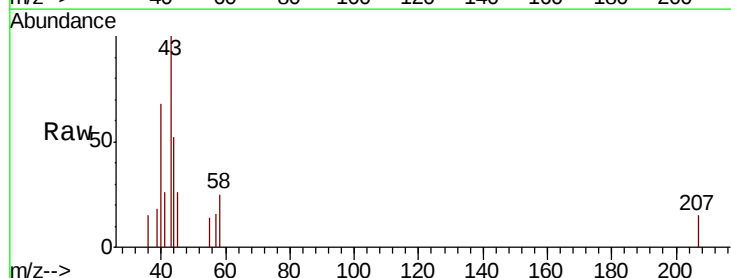
Instrument :
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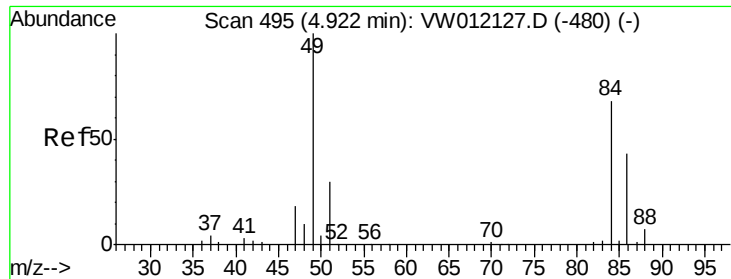
Tgt Ion: 59 Resp: 489
Ion Ratio Lower Upper
59 100
57 7.6 9.0 13.4#



#16
Acetone
Concen: 1.814 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012481.D
Acq: 02 Sep 2019 06:42

Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
58 25.5 22.4 33.6

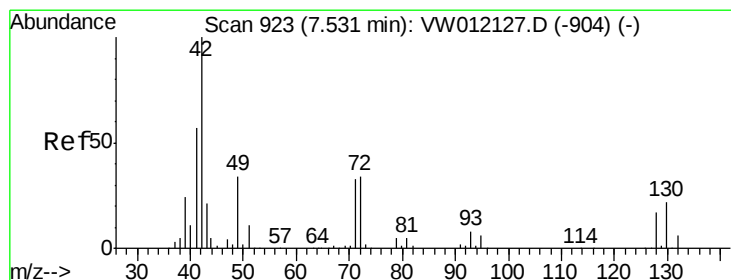
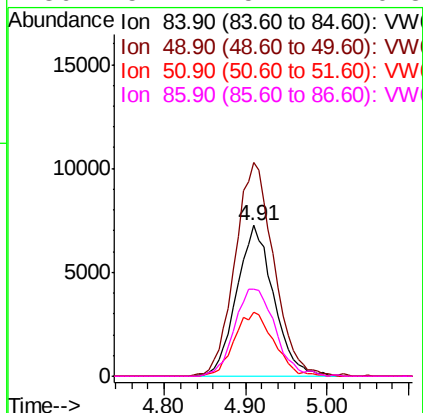
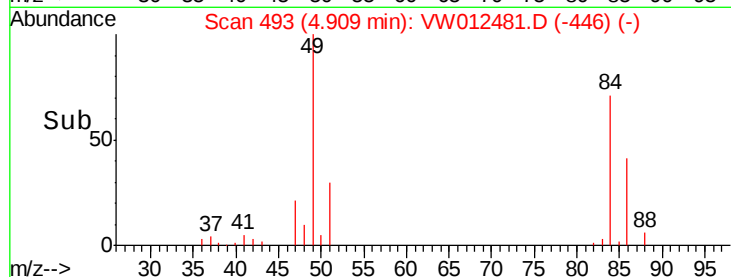
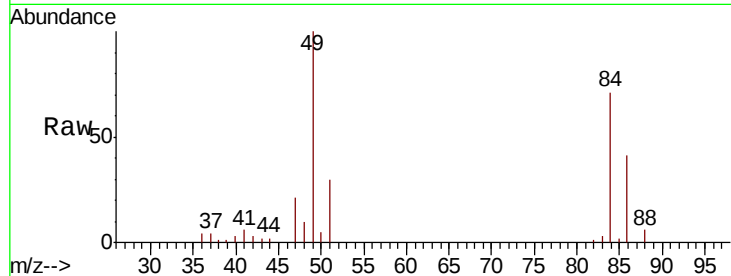




#20
Methylene Chloride
Concen: 9.468 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012481.D
Acq: 02 Sep 2019 06:42

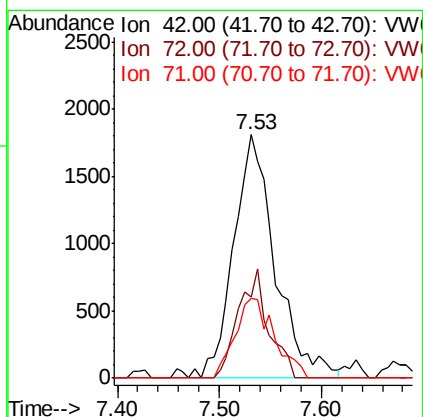
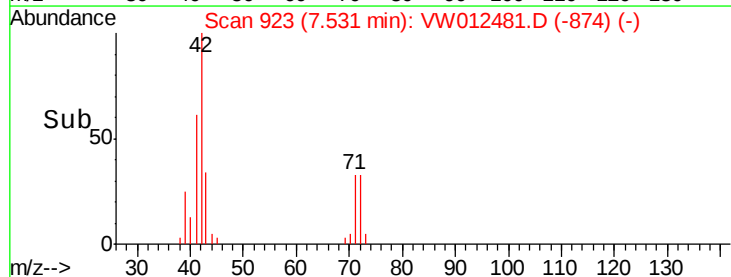
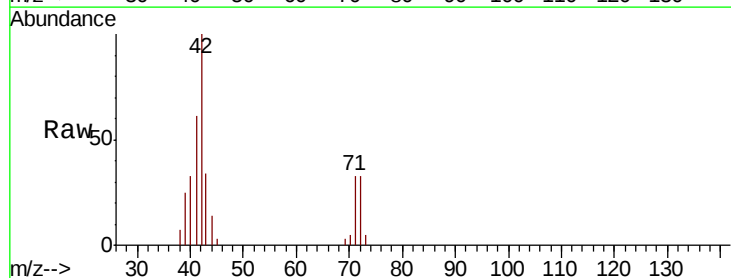
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-R-(0)

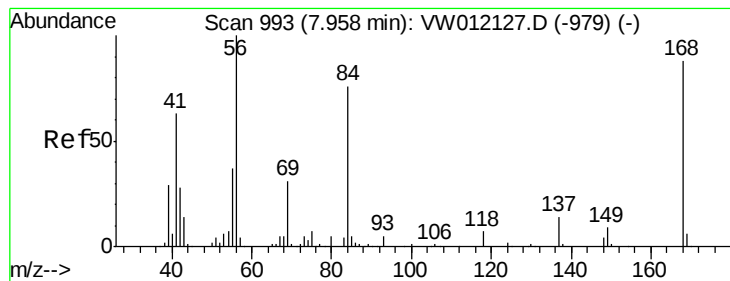
Tgt Ion:	84	Resp:	22885
Ion	Ratio	Lower	Upper
84	100		
49	141.6	117.8	176.8
51	42.5	35.6	53.4
86	57.4	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.835 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012481.D
Acq: 02 Sep 2019 06:42

Tgt Ion:	42	Resp:	5127
Ion	Ratio	Lower	Upper
42	100		
72	32.3	27.3	40.9
71	30.7	25.5	38.3





#31

Cyclohexane

Concen: 1.213 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012481.D

Acq: 02 Sep 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-R-(0)

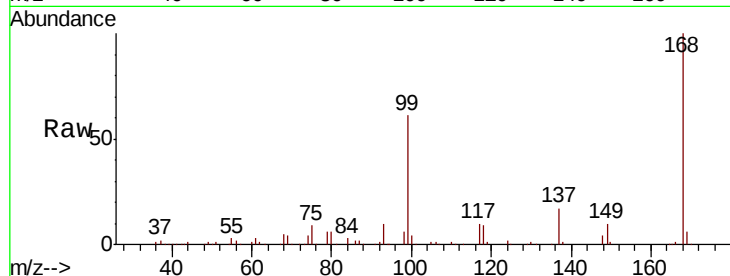
Tgt Ion: 56 Resp: 5465

Ion Ratio Lower Upper

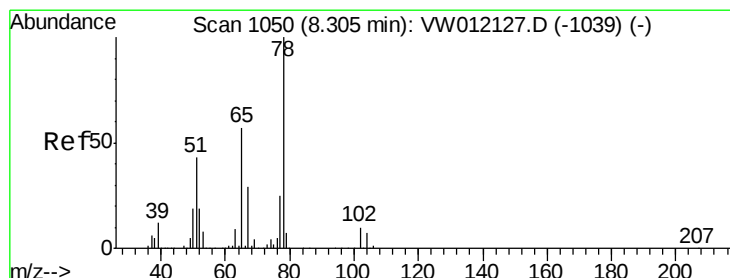
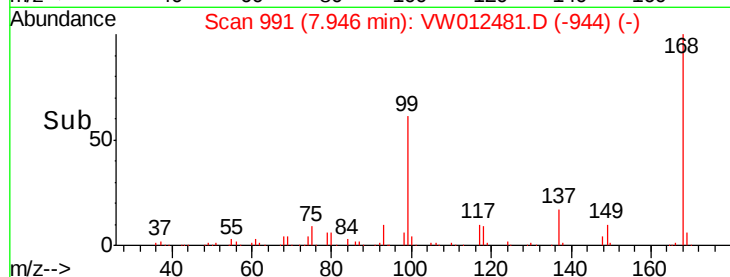
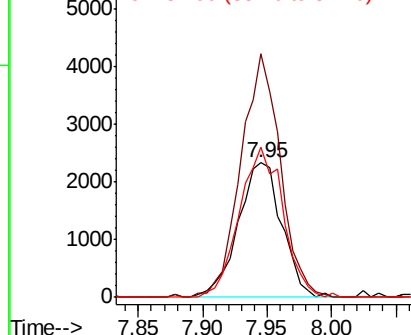
56 100

69 180.9 24.9 37.3#

84 111.3 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 53.112 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012481.D

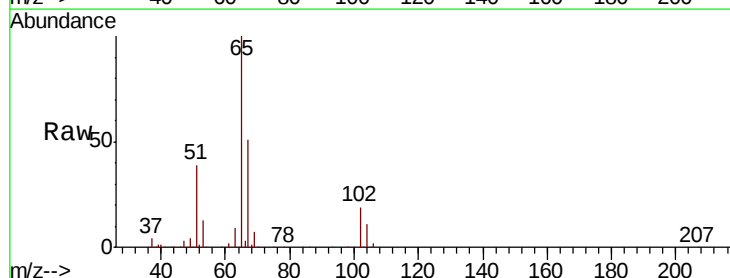
Acq: 02 Sep 2019 06:42

Tgt Ion: 65 Resp: 132850

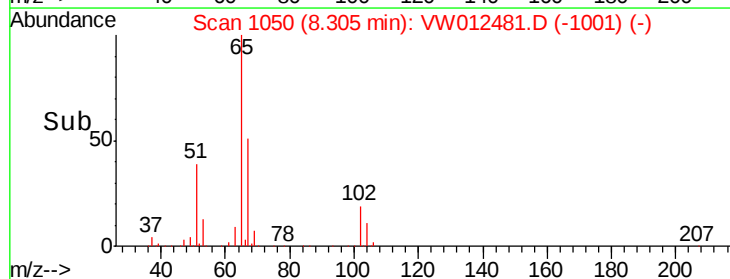
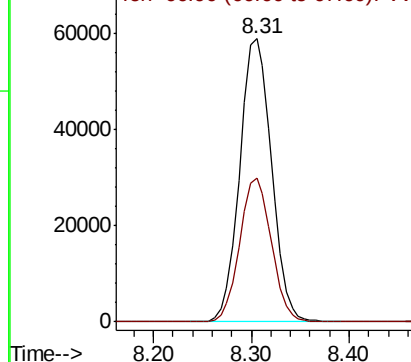
Ion Ratio Lower Upper

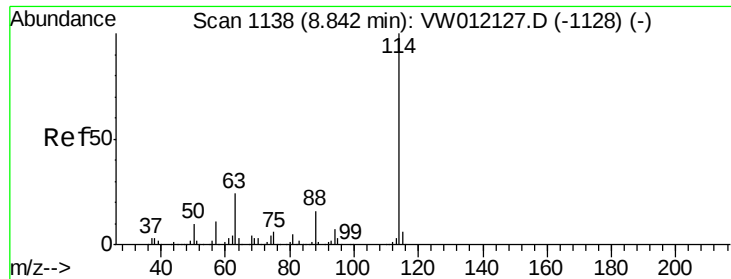
65 100

67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

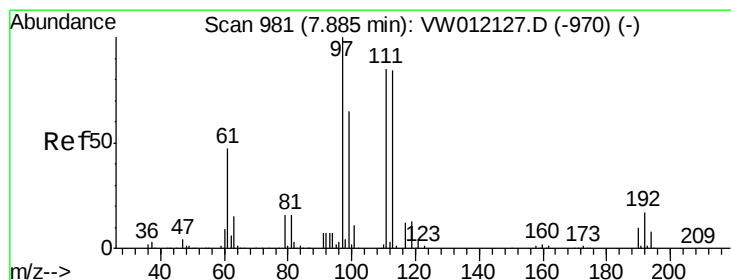
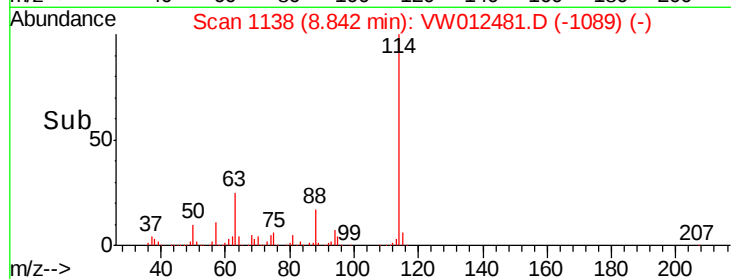
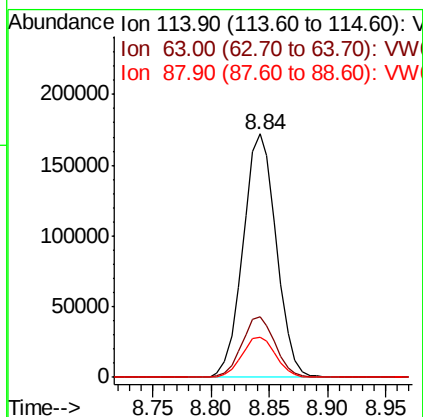
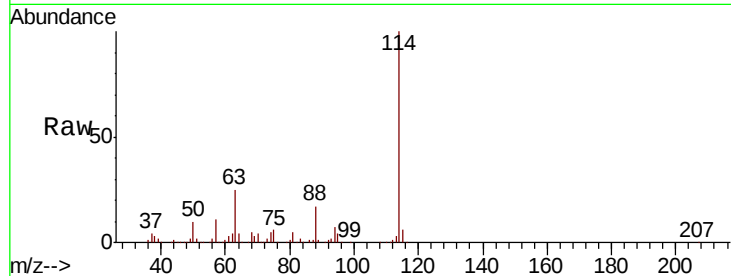




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012481.D
 Acq: 02 Sep 2019 06:42

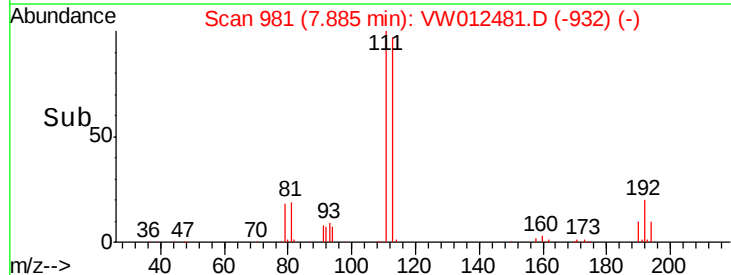
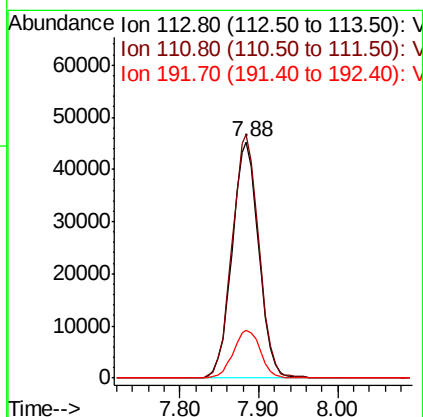
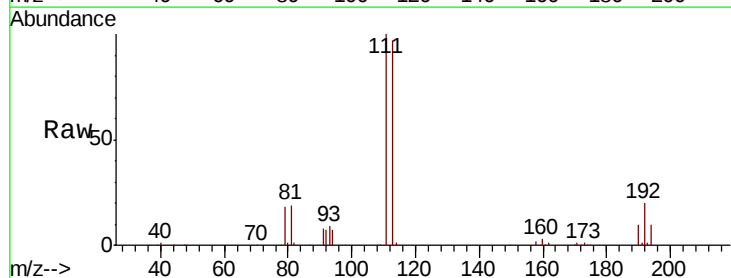
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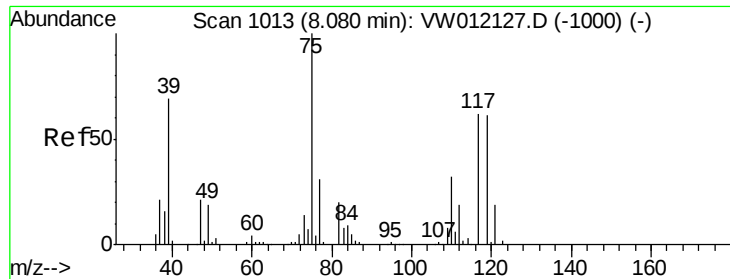
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	48.6
88	16.7	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 51.828 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012481.D
 Acq: 02 Sep 2019 06:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.6	16.2	24.2

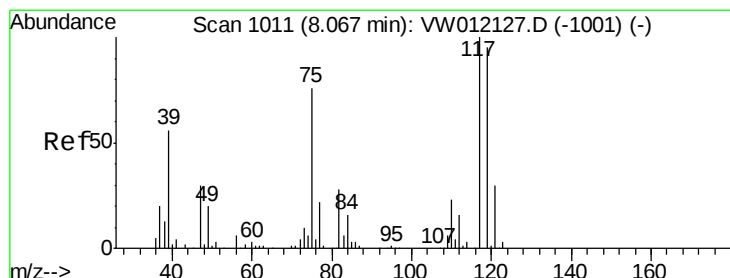
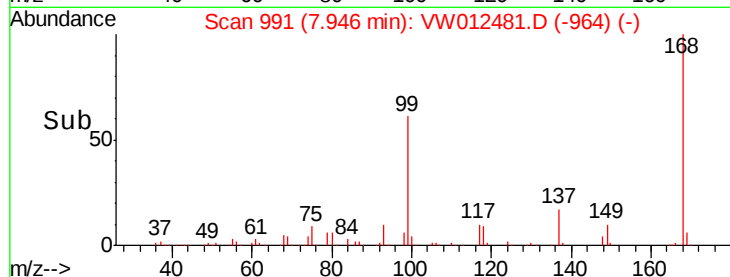
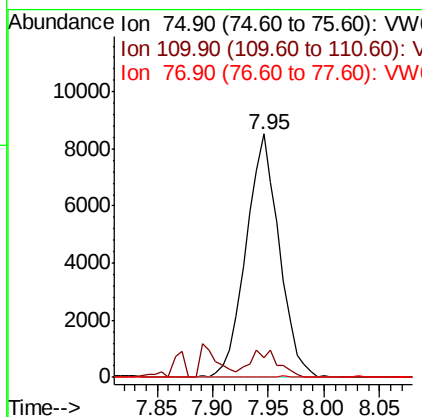
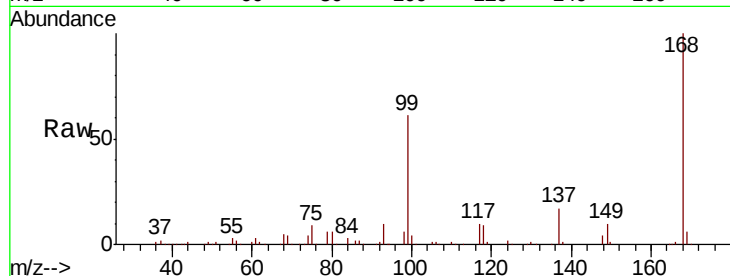




#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012481.D
 Acq: 02 Sep 2019 06:42

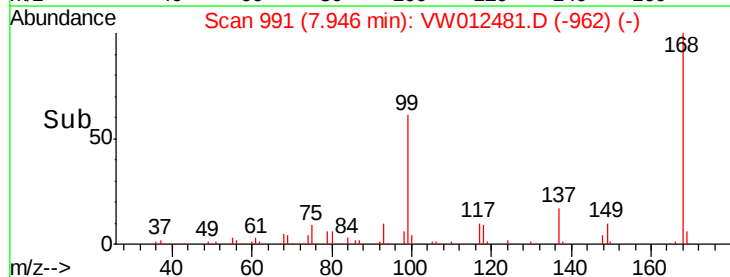
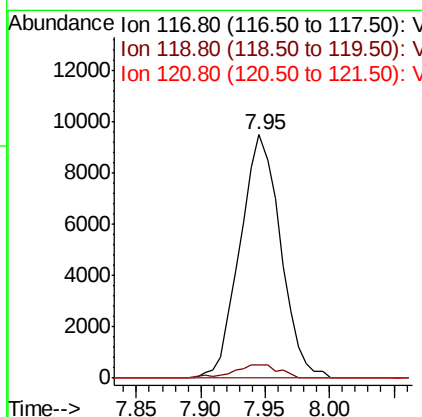
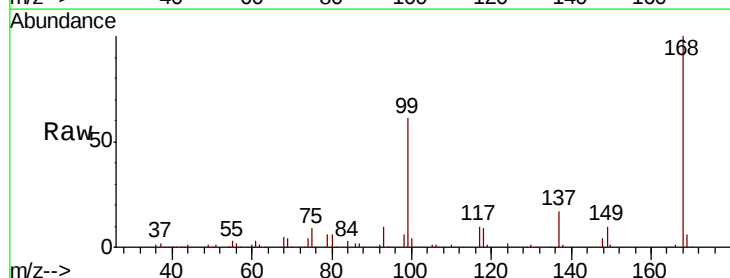
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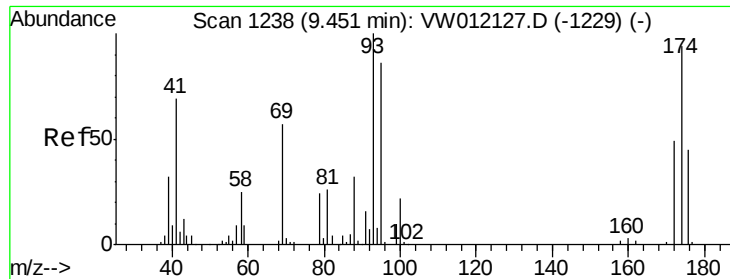
Tgt Ion: 75 Resp: 17603
 Ion Ratio Lower Upper
 75 100
 110 9.6 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.780 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012481.D
 Acq: 02 Sep 2019 06:42

Tgt Ion: 117 Resp: 20764
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.299 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012481.D

Acq: 02 Sep 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-R-(0)

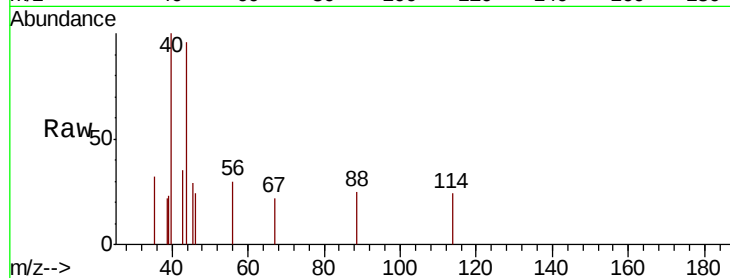
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 691.3 32.9 49.3#

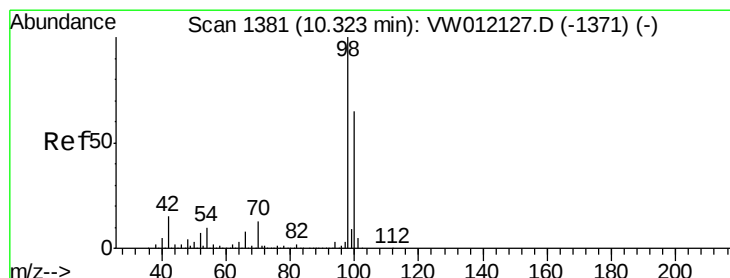
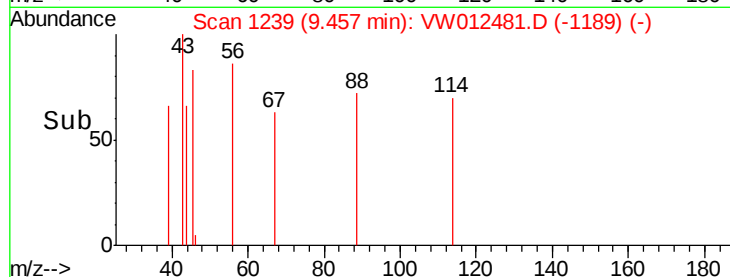
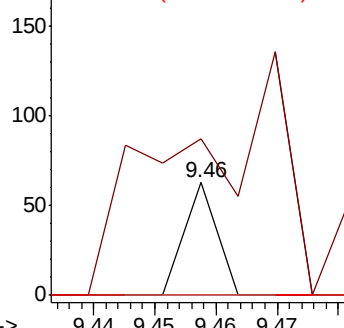
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.129 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012481.D

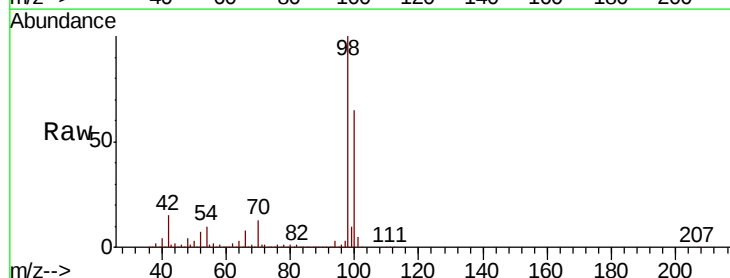
Acq: 02 Sep 2019 06:42

Tgt Ion: 98 Resp: 415417

Ion Ratio Lower Upper

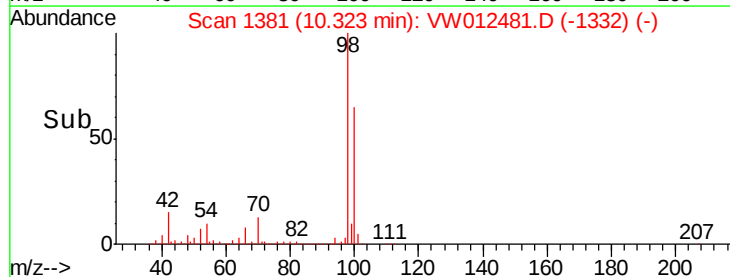
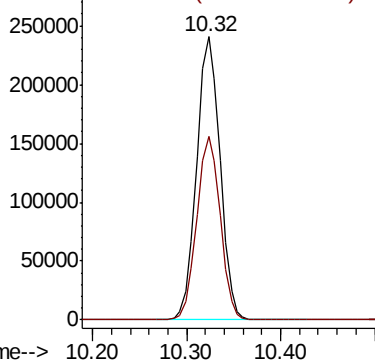
98 100

100 64.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

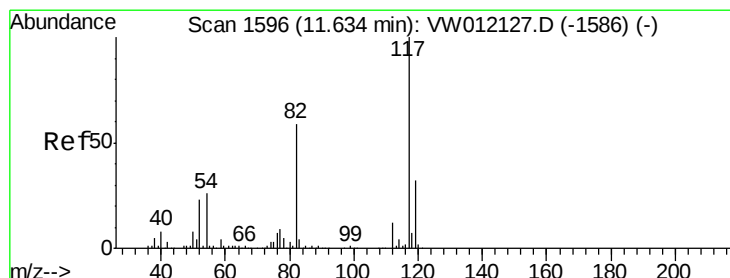
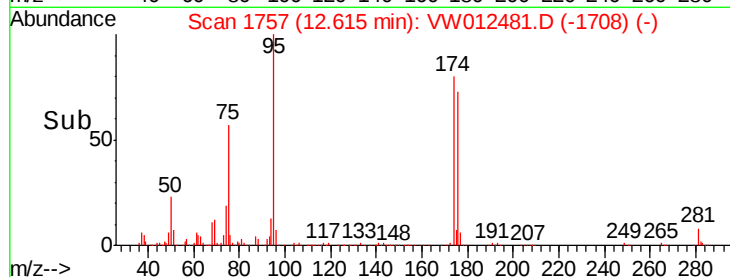
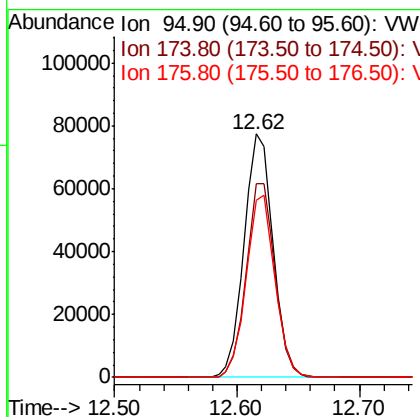
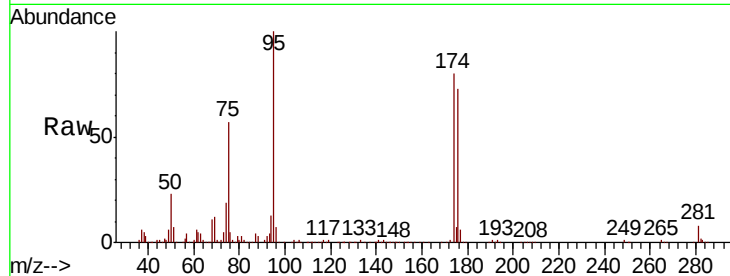




#62
4-Bromofluorobenzene
Concen: 43.677 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012481.D
Acq: 02 Sep 2019 06:42

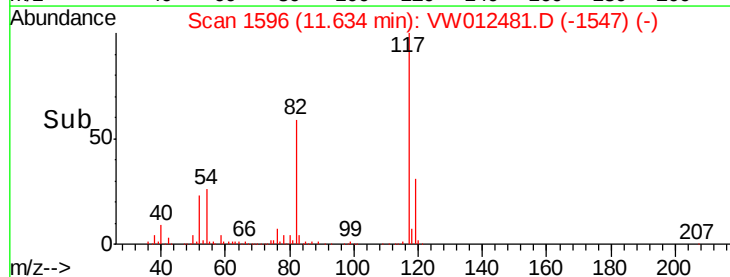
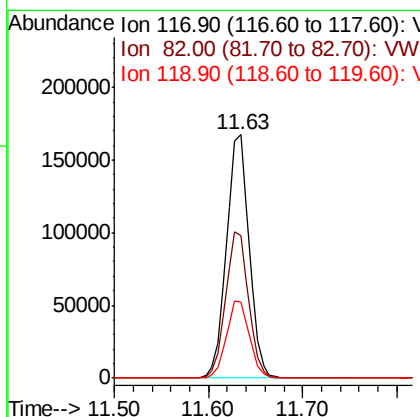
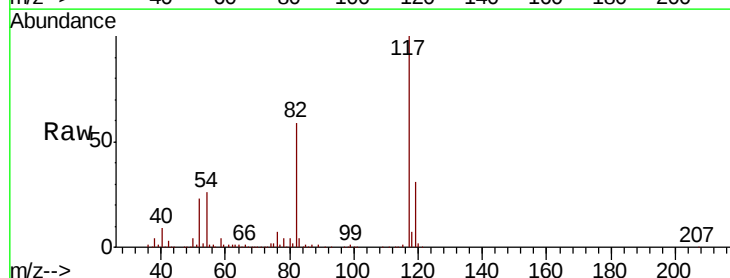
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-R-(0)

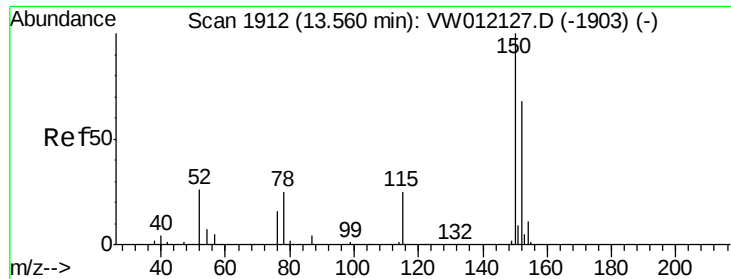
Tgt Ion: 95 Resp: 127586
Ion Ratio Lower Upper
95 100
174 79.6 0.0 150.8
176 74.4 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012481.D
Acq: 02 Sep 2019 06:42

Tgt Ion: 117 Resp: 280290
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012481.D

Acq: 02 Sep 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-R-(0)

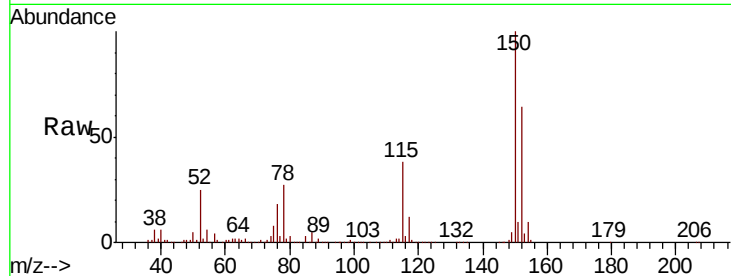
Tgt Ion:152 Resp: 106203

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

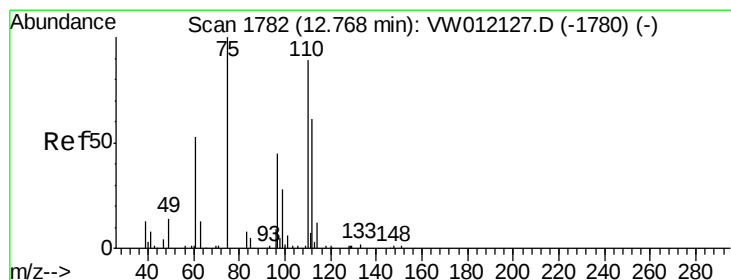
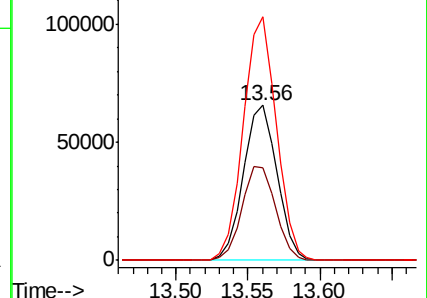
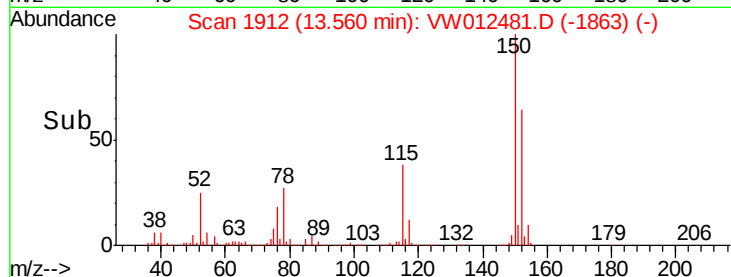
150 154.5 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 67.481 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012481.D

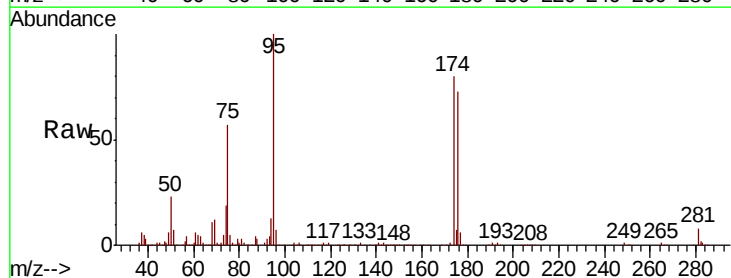
Acq: 02 Sep 2019 06:42

Tgt Ion: 75 Resp: 69798

Ion Ratio Lower Upper

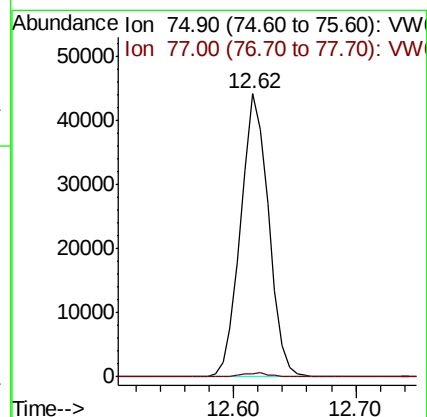
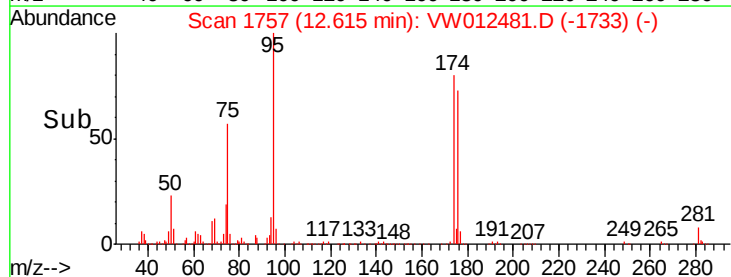
75 100

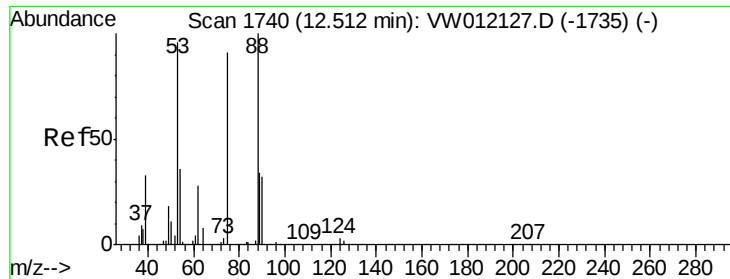
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 147.954 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012481.D

Acq: 02 Sep 2019 06:42

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-R-(0)

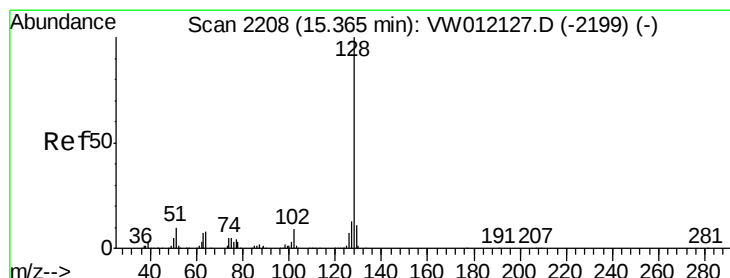
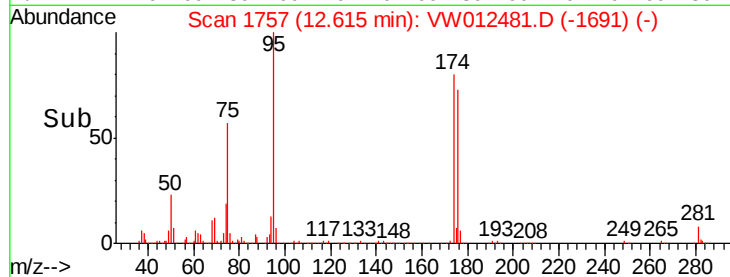
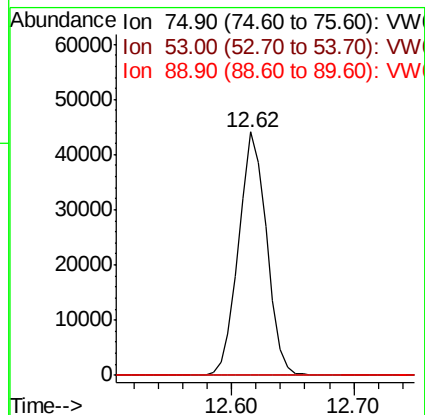
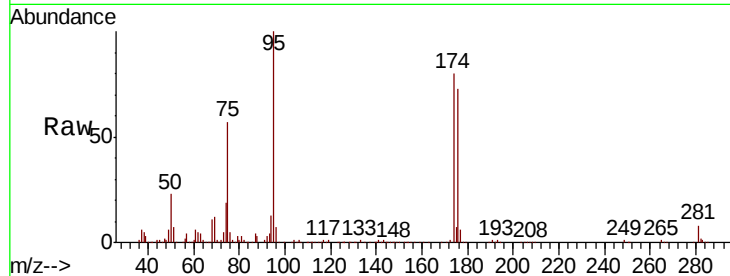
Tgt Ion: 75 Resp: 69798

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.1 34.5 51.7#



#95

Naphthalene

Concen: 4.363 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012481.D

Acq: 02 Sep 2019 06:42

Tgt Ion: 128 Resp: 183

Ion Ratio Lower Upper

128 100

127 34.4 10.7 16.1#

129 20.8 8.7 13.1#

